BRUHAT BANGALORE MAHANAGARA PALIKE
Yelahanka Zone, Electrical Division

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule B"

Name of Work:-Providing Energy efficent LED street lights and control switches and connected Accessories Rachenahalli areas in Ward no 6.

Budget Head : P3290-14th Finance Grant works

Sl.No	Qty	Description Of Work	Unit	Quoted Rates	
				In figures	In words
1	1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts	Each	17761.54	Rupees Seventeen Thousand Seven Hundred Sixty One And Paise Fifty Four Only
2	100	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos	2066.49	Rupees Two Thousand Sixty Six And Paise Forty Nine Only
3	100	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	3836.95	Rupees Three Thousand Eight Hundred Thirty Six And Paise Ninety Five Only
4	200	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos	19.00	Rupees Nineteen Only
5	350	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm	Mtrs	156.00	Rupees One Hundred Fifty Six Only
6	350	4 core 16 sqmm	Mtrs	133.00	Rupees One Hundred Thirty Three Only
7	350	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 25 sqmm to 75 sqmm	Mtrs	16.00	Rupees Sixteen Only
8	350	6 sqmm to 16 sqmm	Mtrs	10.25	Rupees Ten And Paise Twenty Five Only
9	300	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary)	Mtrs	74.01	Rupees Seventy Four And Paise One Only
10	100	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm	Mtrs	249.53	Rupees Two Hundred Forty Nine And Paise Fifty Three Only

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11	5000	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs	28.46	Rupees Twenty Eight And Paise Forty Six Only
12	174	1.1 KV Pin Insulator	Nos	41.75	Rupees Forty One And Paise Seventy Five Only
13	55	No. 8 Strain Insulator	Nos	13.28	Rupees Thirteen And Paise Twenty Eight Only
14	161	2 Pin 45x45x5mm -510mm	Nos	290.33	Rupees Two Hundred Ninety And Paise Thirty Three Only

Rate

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone